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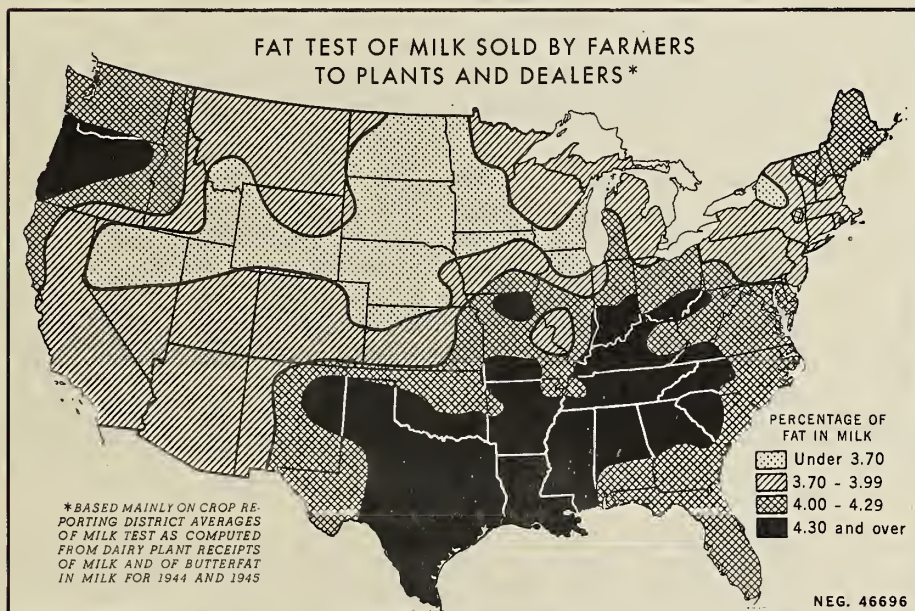
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UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF AGRICULTURAL ECONOMICS  
CROP REPORTING BOARD

# FARM PRODUCTION, DISPOSITION, AND INCOME FROM MILK, 1946-47



WASHINGTON, D. C.  
APRIL 1948

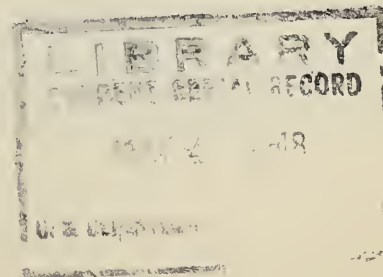


Table 1 - Monthly milk production on farms, United States 1929-48 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly total
M i l l i o n p o u n d s													
1929	7,187	6,860	8,067	8,543	10,047	10,562	10,027	8,800	7,642	7,335	6,811	7,107	98,988
1930	7,371	7,051	8,253	8,723	10,386	10,766	9,725	8,413	7,522	7,466	7,091	7,391	100,158
1931	7,798	7,417	8,519	9,048	10,580	10,683	9,663	8,643	7,798	7,737	7,427	7,716	103,029
1932	7,951	7,784	8,625	8,854	10,504	10,701	9,777	8,739	7,974	7,810	7,369	7,722	103,810
1933	7,983	7,532	8,580	8,989	10,665	10,675	9,973	9,167	8,192	7,941	7,417	7,648	104,762
1934	7,652	7,144	8,272	8,760	10,182	10,477	9,796	9,004	8,160	7,835	7,185	7,154	101,621
1935	7,084	6,690	7,823	8,440	10,222	10,991	10,384	9,402	8,258	7,702	7,003	7,206	101,205
1936	7,292	7,159	8,244	8,807	10,507	10,948	9,893	8,695	8,049	8,090	7,322	7,404	102,410
1937	7,388	6,899	8,041	8,560	10,466	10,955	10,323	9,192	8,071	7,735	6,981	7,297	101,908
1938	7,438	7,089	8,443	9,120	10,881	11,226	10,581	9,545	8,445	8,073	7,396	7,570	105,807
1939	7,807	7,411	8,725	9,195	10,903	11,277	10,498	9,515	8,394	7,945	7,433	7,689	106,792
1940	7,841	7,688	8,881	9,308	10,918	11,641	10,710	9,681	8,761	8,389	7,731	7,953	109,502
1941	8,349	7,933	9,223	9,893	11,684	12,028	11,227	10,272	9,225	8,813	8,174	8,447	115,268
1942	8,719	8,268	9,508	10,250	12,075	12,505	11,731	10,722	9,458	8,896	8,182	8,470	118,884
1943	8,766	8,373	9,712	10,208	11,855	12,529	11,725	10,530	9,230	8,673	7,960	8,224	117,785
1944	8,590	8,575	9,690	10,135	11,847	12,373	11,520	10,251	9,236	8,961	8,285	8,529	117,992
1945	8,801	8,429	9,925	10,625	12,358	12,908	12,214	11,014	9,615	9,050	8,240	8,325	121,504
1946	8,564	8,212	9,713	10,440	12,206	12,578	11,927	10,838	9,435	8,985	8,293	8,522	119,713
1947	8,889	8,456	9,809	10,385	12,134	12,821	12,102	10,595	9,259	8,845	8,015	8,056	119,366
1948	8,354	8,219	9,273										

1/ Estimates based on national indications of milk production and utilization. Subject to revision when data for all individual States become available.

Table 2 - Total supply and utilization of milk in the United States 1937-47

	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947 1/
M i l l i o n p o u n d s											
Milk production											
By cows on farms.....	101,908	105,807	106,792	109,502	115,268	118,884	117,785	117,992	121,504	119,713	119,366
Total 1/.....	104,734	108,633	109,618	112,328	118,094	121,710	120,611	120,818	124,330	122,539	122,192
Utilization (milk equivalent)											
Manufactured in plants											
Creamery butter											
Total.....	32,927	36,191	36,167	37,349	38,077	35,938	34,460	30,620	28,065	24,146	27,300
From whey cream.....	453	506	495	548	665	775	698	713	780	773	850
Net.....	32,474	35,685	35,672	36,801	37,412	35,163	33,762	29,907	27,285	23,373	26,450
Cheese											
American.....	4,999	5,697	5,459	6,115	7,612	9,247	7,743	8,090	8,777	8,063	9,600
Other.....	1,485	1,553	1,632	1,747	1,945	1,874	2,179	2,044	2,346	2,889	2,430
Canned milk											
Evaporated.....	4,065	4,490	4,636	5,266	7,023	7,592	6,594	7,384	8,147	6,578	6,840
Sweetened condensed.....	105	91	76	137	268	147	278	330	339	269	375
Bulk condensed milk											
Unsweetened.....	325	314	260	312	278	307	249	289	310	269	320
Sweetened.....	104	103	119	165	172	163	145	138	167	151	135
Dry whole milk .....											
Miscellaneous products 2/.....	103	162	185	223	347	474	1,052	1,355	1,650	1,421	1,220
Ice cream	55	42	54	54	63	94	196	514	720	552	550
Total.....	4,186	4,185	4,519	4,712	5,754	6,795	6/5,376	6/5,557	6/6,056	6/9,708	6/8,800
Fat from other products 3/.....	869	875	951	982	1,214	1,457	826	859	926	1,509	1,350
Net-from milk and cream..	3,317	3,310	3,568	3,730	4,540	5,338	6/4,550	6/4,698	6/5,130	6/8,199	6/7,450
Total factory products 4/.....	47,032	51,447	51,661	54,550	59,660	60,399	56,748	54,749	54,871	51,764	55,370
Used for farm butter.....	9,548	9,173	8,653	8,129	7,967	7,365	6,851	6,608	6,755	6,630	6,268
Consumed as milk or cream											
In cities and villages.....	32,298	32,408	33,056	33,519	34,863	37,650	41,000	43,000	46,000	47,000	45,000
On farms where produced.....	11,955	11,950	12,167	12,063	12,020	11,856	11,615	11,685	11,671	12,318	12,295
Fed to calves.....	2,724	2,850	2,967	2,994	3,124	3,294	3,276	3,270	3,335	3,255	3,228
To balance 5/.....	1,177	805	1,114	1,073	460	1,146	1,121	1,506	1,698	1,572	31

1/ Includes an allowance of 2,826 million pounds for milk produced by cows not on farms, the same as in 1930 when information on this item was last obtained.

2/ For 1945 and earlier years includes dry cream, malted milk, dry part skim milk and dry ice cream mix. For 1946 and 1947, the whole milk equivalent of cottage cheese amounting to about 300 million pounds is also included.

3/ Milk equivalent of butter and condensed milk used in ice cream. 4/ Includes net milk equivalents on butter and ice cream to avoid double counting of milk from which fat was reused in making a second dairy product.

5/ Residual, including miscellaneous minor uses; net imports, exports and year-end carry-over of milk and cream, as well as any inaccuracies of independently determined use estimates.

6/ Includes milk sherbets and ice milk. 7/ Preliminary.



UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF AGRICULTURAL ECONOMICS  
WASHINGTON, D. C.

FARM PRODUCTION, DISPOSITION AND INCOME FROM  
MILK, 1946-47 1/

Milk production on United States farms in 1947 totaled 119.4 billion pounds, a little below the 119.7 billion pounds produced in 1946 and 2 percent less than the record high production of 121.5 billion pounds in 1945. Except for these two years, the 1947 production was the greatest in history. Annual production per cow in 1947 set new high records of 5,000 pounds of milk and 199 pounds of butterfat. Numbers of milk cows on farms declined throughout 1947 and the average number for the year was 23.9 million, lowest since 1940. Estimates of milk cow numbers, milk production per cow and total milk production are shown in tables 3, 5 and 7.

Butter churned on farms in 1947 totaled 316 million pounds, about 5 percent less than in 1946. Farm butter production is now down to one-third the peak volume reached around the turn of the century and is at about the same level as 100 years ago. Production of home-made butter is now important mainly in Southern areas of the country where milking herds are small and many cows are kept only for supplying the farm family with dairy products. Milk utilized for farm butter in 1947 amounted to 6.3 billion pounds. Only about one-sixth of the farm butter produced was sold by farmers, with the remainder consumed by households on farms where churned. Milk and cream consumed on farms where produced in 1947 amounted to 12.3 billion pounds, approximately the same as in 1946 and otherwise the largest amount since 1935. Whole milk fed to calves in 1947 totaled 3.2 billion pounds, not much different from recent years but somewhat above the pre-war level.

In 1947 farmers' deliveries of whole milk to the nation's dairy plants were a little larger than in 1946 but somewhat less milk was skimmed on farms for sale as cream. In a number of major fluid milk States, including most of those along the central and northern Atlantic seaboard, Ohio and California, substantially increased milk production resulted in larger quantities of whole milk sold by farmers than in 1946. Among the important milk selling States east of the Mississippi river, Wisconsin showed a moderate decline in volume of whole milk deliveries, while Kentucky and Tennessee were up appreciably from 1946. In the Western part of the country trends were likewise mixed, with Idaho farmers' whole milk deliveries higher in 1947, but some reduction evident in Washington and Utah. State estimates of milk disposition in 1947 are shown in table 7.

In most of the principal cream selling States -- between the Mississippi river and the Rocky Mountains -- a lower level of farm milk production resulted in smaller quantities of milk skimmed on farms for sale as cream. The shift from farm skimming to sale of whole milk in evidence rather generally during recent years slowed down appreciably in 1947 and in some areas was reversed. In Minnesota, farmers' sales of whole milk to plants more than quadrupled between 1939 and 1946 but in 1947 deliveries were down about 10 percent from 1946. The amount of milk skimmed on farms for sale as cream in Minnesota in 1947 showed a slight increase over 1946 although still substantially below any other recent year. Most of the other States in the Great Lakes area in 1947 showed more milk skimmed on farms for sale as cream than in 1946. Farmers' retail sales of milk and cream direct to consumers declined further in 1947, but still represented over 5 billion pounds of milk. Farm-churned butter prepared for sale accounted for less than 1 billion pounds of milk in 1947, about one-third as much as 2 decades ago.

With the combined volume of dairy products sold in 1947 about equal to the previous year and prices substantially higher, cash receipts from marketings of milk, cream and farm butter totaled almost 4.1 billion dollars--about 9 percent more than in 1946. Cash receipts from dairy products have risen steadily since 1940 and in 1947 were more than 4 times as great as at the bottom of the depression 15 years earlier, and more than  $2\frac{1}{2}$  times the cash receipts in 1940. These receipts from farm marketings represent the value of products sold and are not an indication of farmers'

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1/ Prepared by John L. Wilson and Glenn E. Casey, Agricultural Statisticians, under the general direction of B. H. Bennett, Head, Division of Dairy Statistics.



net income. Production expenses have likewise increased sharply during recent years. Some 98.5 billion pounds of milk were required for the dairy products sold by farmers and dollar returns averaged \$4.12 per 100 pounds of milk and \$1.04 per pound of butterfat, both high records. Data on quantities and value of dairy products sold are included in tables 4, 6 and 8.

Whole milk sold by farmers to plants and dealers accounted for about three-fourths of the cash receipts by farmers from marketings of dairy products. In 1947, sales of 71.3 billion pounds of milk at an average price of \$4.25 per hundred pounds were valued at over 3 billion dollars. Returns from cream sold by farmers to dairy plants, representing 792 million pounds of butterfat at a price of 72 cents per pound fat, amounted to almost 569 million dollars, the largest receipts from this product since 1929. Retail sales of milk and cream by farmers, totaling about 2½ billion quarts at an average of 17.5 cents per quart, returned farmers 431 million dollars. Cash receipts from marketings of 48½ million pounds of farm-churned butter at 63 cents per pound amounted to 31 million dollars, the only dairy product showing smaller returns in 1947 than in 1946.

The cash receipts from farm marketings of dairy products as shown in tables 4 and 6 represent the value of sales only and do not include government dairy production incentive payments made to farmers for milk and butterfat sold during the October 1943 through June 1946 period. The annual production payments on dairy products sold in each year are shown by States in table 12. The payments have been allocated to the year in which the milk or butterfat was sold and not to the year in which the payment was actually received. Production payments on dairy products sold in 1946 amounted to 280 million dollars.

The 17.6 billion pounds of milk used for farm family consumption as milk, cream, and home-made butter on farms where produced in 1947 was valued at 786 million dollars compared with 714 million in 1946, the previous high in a 24-year record. The gross farm income from milk and milk products, combining the receipts from farm marketings and value of farm household consumption, totaled over 4.8 billion dollars compared with 4.4 billion dollars in 1946, 1.9 billion dollars in 1940, and a wartime range of 2.8 to 3.6 billion dollars annually.

In 1947, Wisconsin farmers again received over half a billion dollars from sales of milk, cream and butter to lead the nation in returns from marketings of dairy products. New York was the second ranking State with over 350 million dollars from dairy products, while California, Pennsylvania and Minnesota each received in the neighborhood of 250 million dollars. Wisconsin was also far ahead in receipts from milk sold to plants, Iowa led in returns from cream sold to plants, Pennsylvania was ahead in value of milk retailed by producers, and Texas was well in front in receipts from sales of farm churned butter. Leading States in value of dairy products consumed in households on farms where produced were in the South with Texas, North Carolina, and Alabama ranking in that order.

#### PERCENTAGE OF FAT IN MILK AND CREAM

In the middle 1940's, an average fat test of milk produced on farms in the United States of about 3.98 percent is indicated by estimates prepared by the Bureau of Agricultural Economics. Milk sold by farmers to plants and dealers averaged 3.91 percent butterfat, that skimmed for sale as cream 3.98 percent, milk retailed by farmers 4.04 percent, milk consumed or fed on farms 4.12 percent, and milk used for making farm butter 4.32 percent. Cream sold by farmers averaged 32.2 percent butterfat. Fat content varies considerably by area of the country and by season of the year. The above estimates represent annual average tests of milk and cream for the country as a whole. Data on the usual percentage of fat in milk and cream and on the magnitude of the variations in test by States and months are included in accompanying tables.

The estimates of fat test of milk sold by farmers shown in table 9 are based principally upon data obtained from dairy plants on quantities of milk and of butterfat in milk received from farmers. In 17 States, tests were obtained from dairy plant receipts as compiled by the Federal-State Agricultural Statisticians in connection with statistics of manufactured dairy products. For the other States, data on receipts of milk and of butterfat in milk reported by dairy plants under the Government War Food Orders and O.P.A. ration programs were compiled for the years 1944 and 1945. These included virtually all plants making butter, cheese, evaporated

(continued on page 12)



Table 3 - Production and disposition of milk on farms, United States, 1924-47

Production of milk and milk products					Disposition of milk produced											
Year	Production per milk cow 2/		Percent of butterfat in milk	Total production on farms 2/		Milk fed or consumed on farms where produced				Milk sold or utilized for preparation of dairy products sold from farms				Total milk and cream for products sold		
	Milk	Butterfat		Milk	Butterfat	Milk	Butterfat	Milk	Butterfat	Milk	Butterfat	Milk	Butterfat			
	Thous.	Pounds	Percent	Mill. lb.	Mill. lb.	Mill. lb.	Thous. lb.	Mill. lb.	Thous. lb.	Fed to calves	Consumed in farm household	Total on farms	For farm-churned butter	As cream	As milk	For retail sales of cream by farmers 3/
1924	21,417	4,167	163.2	3.92	89,260	3,495	13,245	642,803	2,742	11,841	9,562	24,145	3,683	29,366	25,937	6,139
1925	21,503	4,218	165.1	3.92	90,699	3,551	13,245	648,703	2,784	11,841	9,562	24,145	3,683	29,366	25,937	6,139
1926	21,312	4,379	171.7	3.92	93,325	3,659	12,734	680,320	2,858	11,506	9,370	23,734	3,364	32,123	27,707	6,975
1927	21,191	4,491	176.2	3.92	95,172	3,734	12,436	667,245	2,901	11,315	9,214	23,470	3,222	33,356	28,600	6,564
1928	21,223	4,516	177.3	3.93	95,843	3,762	11,793	577,000	2,904	11,207	8,799	22,950	2,994	32,814	30,367	7,283
1929	21,618	4,579	179.7	3.92	98,988	3,884	11,046	542,064	3,012	10,932	8,273	22,371	2,773	33,808	31,447	6,433
1930	22,216	4,508	176.8	3.92	100,156	3,929	10,547	533,285	2,966	11,207	8,190	22,343	2,497	33,974	34,497	7,181
1931	23,108	4,459	175.0	3.93	103,025	4,045	11,061	544,395	2,997	11,915	8,594	24,464	2,507	35,468	34,614	6,976
1932	24,105	4,307	169.2	3.93	103,810	4,079	11,820	581,550	2,899	12,507	9,180	24,546	2,840	36,095	33,501	7,028
1933	25,062	4,180	164.2	3.93	104,762	4,114	11,798	579,845	2,878	12,784	9,293	24,955	2,905	36,524	33,705	7,073
1934	25,198	4,033	158.7	3.94	101,621	3,999	11,358	558,649	2,688	12,773	9,180	24,951	2,223	33,867	33,869	7,081
1935	24,187	4,184	165.4	3.95	101,205	4,000	10,931	539,110	2,676	12,410	8,807	23,893	2,124	32,584	35,647	6,977
1936	23,727	4,316	170.3	3.95	102,410	4,041	10,163	501,900	2,755	12,077	8,256	23,688	1,907	31,904	36,777	7,312
1937	23,340	4,366	172.5	3.95	101,908	4,025	9,948	472,270	2,724	11,955	7,795	22,474	1,753	30,644	40,470	7,932
1938	23,215	4,558	180.1	3.95	105,807	4,180	9,173	453,990	2,850	11,950	7,494	22,294	1,679	32,728	42,657	8,513
1939	23,273	4,569	181.5	3.95	106,792	4,223	8,653	428,689	2,967	12,167	7,102	22,236	1,551	32,987	43,601	8,956
1940	23,677	4,625	183.6	3.97	109,592	4,348	8,129	402,690	2,994	12,063	6,688	21,745	1,441	33,044	47,170	8,757
1941	24,312	4,711	188.4	3.97	115,268	4,580	7,967	395,476	3,124	12,020	6,587	21,731	1,380	34,091	52,121	9,545
1942	25,081	4,740	188.3	3.97	118,884	4,722	7,365	366,370	3,294	11,856	6,127	21,277	1,238	31,322	59,185	9,662
1943	25,574	4,606	183.1	3.98	117,785	4,682	6,861	304,120	3,276	11,615	5,770	20,661	1,081	30,188	60,116	9,739
1944	25,715	4,578	182.2	3.98	117,952	4,696	6,608	323,148	3,270	11,671	5,271	20,526	1,037	28,422	64,338	9,766
1945	25,329	4,797	190.9	3.98	121,504	4,836	6,755	336,990	3,335	11,671	5,680	20,666	1,075	28,422	64,338	10,018
1946	24,875	4,891	194.5	3.98	119,713	4,760	6,530	333,780	3,255	12,316	5,540	21,113	1,090	21,380	70,591	9,609
1947	23,471	5,000	199.1	3.98	119,366	4,753	6,268	335,840	3,228	12,295	5,302	20,825	966	21,001	71,269	9,541

1/Average number on farms during year, before that have not freshened excluded. 2/ Excludes milk sucked by calves and milk produced by cows not on farms. 3/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers. 4/ Revised 2/ Preliminary.

1/ Average number on farms during year, heifers that have not freshened excluded. 2/ Excludes milk sucked by calves and milk produced by cows not on farms.

3/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers. 4/ Revised. 5/ Preliminary.

Table 4 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, United States, 1924-47

Year	Farm butter sold				Cream sold to plants and dealers (as butterfat)				Milk sold to plants and dealers at wholesale				Milk and cream retailed by farmers				Combined sales of butter, cream and milk				Value of milk products consumed in household on farms where produced 2/	Gross farm income from dairy products 3/
	Quantity sold	Price per lb.	Value	Percent of butterfat	Quantity sold	Price per lb.	Value	Percent of butterfat	Quantity sold	Price per 100 lb.	Value	Percent of butterfat	Quantity sold	Price per quart	Value	Percent of butterfat	Quantity sold	Price per 100 lb.	Value	Percent of butterfat		
1924	176,160	39.5	69,607	1.102	700	40.4	28,124	25.907	2.22	573,997	11.1	316,934	65,095	2.16	55.1	1,405,662	502,766	1,908,428	1,908,428	1,908,428	1,908,428	
1925	165,630	40.5	67,116	1,111	700	42.4	29,821	26,870	2.38	598,137	11.2	325,651	66,975	2.26	57.7	1,514,725	506,402	2,021,127	2,021,127	2,021,127	2,021,127	
1926	161,960	40.5	66,190	1,207	400	41.6	502,578	27,707	2.38	660,750	11.3	336,600	69,591	2.25	57.4	1,566,096	497,934	2,064,032	2,064,032	2,064,032	2,064,032	
1927	155,410	41.5	64,523	1,255	010	44.5	595,005	28,600	2.51	717,841	11.3	343,761	71,742	2.35	59.9	1,685,156	500,136	2,185,294	2,185,294	2,185,294	2,185,294	
1928	144,995	42.6	61,752	1,233	730	46.1	569,341	30,367	2.52	766,440	11.5	358,224	72,691	2.41	61.3	1,755,487	505,991	2,261,478	2,261,478	2,261,478	2,261,478	
1929	135,045	42.6	56,992	1,271	120	45.2	574,259	33,347	2.53	842,182	11.5	365,096	76,771	2.39	61.0	1,838,489	495,312	2,333,801	2,333,801	2,333,801	2,333,801	
1930	121,512	36.3	44,119	1,275	870	34.5	440,152	34,497	2.21	764,095	11.3	359,075	77,815	2.07	52.8	1,607,441	435,403	2,042,844	2,042,844	2,042,844	2,042,844	
1931	122,352	27.2	33,321	1,332	560	24.8	329,865	34,634	1.69	564,488	10.1	329,063	75,565	1.60	40.7	1,276,735	366,216	1,642,951	1,642,951	1,642,951	1,642,951	
1932	122,672	20.8	26,721	1,356	200	17.9	242,708	33,901	1.28	427,334	8.9	289,607	79,264	1.24	31.6	986,370	300,060	1,286,430	1,286,430	1,286,430	1,286,430	
1933	122,015	20.1	24,533	1,371	090	18.8	287,549	33,705	1.30	439,179	8.2	288,945	79,807	1.26	32.1	1,004,206	305,292	1,309,498	1,309,498	1,309,498	1,309,498	
1934	108,582	22.7	24,636	1,272	220	22.1	288,951	33,869	1.55	523,497	9.4	308,433	77,040	1.59	37.8	1,145,517	352,924	1,498,441	1,498,441	1,498,441	1,498,441	
1935	103,970	26.7	27,766	1,223	560	22.1	343,457	35,647	1.74	620,951	9.8	318,030	77,312	1.69	42.8	1,310,204	366,026	1,696,230	1,696,230	1,696,230	1,696,230	
1936	93,538	28.6	26,982	1,197	170	32.2	385,997	38,777	1.93	748,218	10.5	316,685	79,322	1.86	47.1	1,477,882	400,097	1,877,979	1,877,979	1,877,979	1,877,979	
1937	86,332	29.6	25,498	1,151	270	33.3	382,801	40,470	1.97	796,068	10.5	320,534	79,343	1.92	48.5	1,524,771	406,211	1,930,985	1,930,985	1,930,985	1,930,985	
1938	82,562	26.6	22,001	1,229	860	26.3	322,893	42,657	1.72	733,221	10.3	309,811	83,513	1.66	42.0	1,387,966	353,452	1,741,418	1,741,418	1,741,418	1,741,418	
1939	76,353	25.0	19,113	1,237	940	23.3	295,456	43,601	1.66	734,703	10.3	296,250	84,556	1.59	40.3	1,345,522	341,302	1,686,824	1,686,824	1,686,824	1,686,824	
1940	70,779	26.6	18,685	1,250	280	24.0	350,570	47,170	1.82	856,987	10.3	293,925	87,757	1.73	43.6	1,520,346	358,548	1,878,894	1,878,894	1,878,894	1,878,894	
1941	68,011	30.4	20,665	1,289	660	28.0	441,403	52,121	2.18	1,137,956	10.8	298,546	91,537	2.01	51.1	1,898,590	404,095	2,302,685	2,302,685	2,302,685	2,302,685	
1942	61,056	35.2	21,535	1,183	860	39.6	468,851	59,115	2.57	1,523,653	11.8	322,015	97,607	2.39	60.2	2,336,034	460,007	2,796,041	2,796,041	2,796,041	2,796,041	
1943	53,326	43.7	23,319	1,139	010	49.9	568,313	60,166	3.12	1,874,822	12.8	300,402	97,124	2.83	72.6	2,806,863	538,512	3,345,375	3,345,375	3,345,375	3,345,375	
1944	51,315	43.8	22,463	999	110	50.1	502,767	64,338	3.21	2,054,361	13.2	308,210	97,466	3.01	75.6	2,937,834	556,274	3,494,108	3,494,108	3,494,108	3,494,108	
1945	53,216	45.3	24,091	919	630	49.3	462,334	69,836	3.19	2,272,690	13.4	349,285	100,818	3.04	76.4	3,053,380	563,566	3,616,946	3,616,946	3,616,946	3,616,946	
1946 4/	54,496	58.3	31,752	806,760	64.3	518,605	70,591	3.96	2,928,827	15.2	392,482	98,608	3.79	95.2	3,765,866	713,900	4,479,766	4,479,766	4,479,766	4,479,766	4,479,766	
1947 5/	48,518	63.3	30,727	791,750	71.8	568,576	71,269	4.25	3,029,292	17.5	430,671	98,541	4.12	103.5	4,959,266	786,054	5,745,320	5,745,320	5,745,320	5,745,320	5,745,320	
1/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.																						
2/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.																						
3/ Value of combined sales, plus value of products consumed in the farm household. 4/ Revised. 5/ Preliminary.																						



Table 5 - Production and disposition of milk on farms, by States, 1946 1/

State and Division	Production of milk and milk products					Disposition of milk produced											
	Number of milk cows on farms	Production per milk cow 2/		Percent-butter-fat in milk	Total production on farms 3/	Milk fed or consumed on farms where produced					Milk sold or utilized for preparation of dairy products sold from farms						
		Milk	Butter-fat			Milk	Butter-fat	Milk	Butter made on farms	Fed to calves	Consumed in the farm household		Total used on farms	For farm-churned butter sold	For deliveries to plants and dealers		Total sales of milk and cream by farmers 4/
											As milk or cream	As farm butter			As cream	As milk	
Thous.	Pounds	Pounds	Percent	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.
Maine	120	5,170	217	4.2	620	26	98	4,900	11	70	46	127	20	330	91	493	
N. H.	65	5,120	200	3.9	333	13	13	650	70	28	6	41	4	238	43		
Vt.	279	5,200	213	4.1	1,451	59	8	400	30	59	6	95	14	1,293	41	1,356	
Mass.	131	5,870	235	4.0	769	31	8		12	47	5	64	4	566	132	705	
R. I.	20	6,400	250	3.9	128	5	20		2	6		8		100	20	120	
Conn.	117	5,760	219	3.8	674	26	5	250	39	39	674	59	1	501	112	615	
N. Y.	1,327	5,880	223	3.8	7,803	297	133	6,000	226	350	71	647	62	6,660	383	7,156	
N. J.	156	6,720	262	3.9	1,048	41	6	330	17	39	4	60	2	860	126	988	
Pa.	955	5,570	217	3.9	5,319	207	194	9,000	122	389	95	606	99	4,030	494	4,713	
W. Virg.	3,170	5,724	222	3.89	18,145	705	471	22,250	443	1,027	237	1,707	234	14,578	1,442	16,438	
Ohio	1,046	5,000	205	4.1	5,230	214	92	4,600	152	466	64	686	24	4,440	220	4,644	
Ind.	770	4,820	205	4.25	3,711	158	53	2,700	96	350	39	485	14	4,560	100	3,226	
Ill.	1,069	5,220	201	3.85	5,580	215	99	4,600	128	520	84	732	15	5,740	260	4,848	
Mich.	1,012	5,640	223	3.95	5,708	225	92	4,300	200	420	64	684	28	3,950	200	5,024	
Wis.	2,454	6,360	235	3.7	15,607	577	16	700	518	507	11	1,036	5	14,170	140	15,711	
N. C. S.	6,351	5,643	218	3.88	35,836	1,389	352	16,900	1,094	2,263	266	3,623	86	2,827	28,380	920	32,213
Minn.	1,607	5,420	195	3.6	8,710	314	42	1,800	239	479	39	757	3	3,240	4,610	100	7,953
Iowa	1,286	5,200	198	3.8	6,187	254	90	4,000	201	546	84	831	6	4,550	1,190	110	5,856
Mo.	970	4,300	185	4.3	4,171	179	200	10,000	104	552	181	837	19	865	2,310	140	3,334
N. Dak.	463	4,280	160	3.75	1,982	74	124	5,500	69	179	119	367	5	1,900	74	36	1,615
S. Dak.	403	3,970	151	3.8	1,600	61	68	2,900	61	188	65	314	3	1,143	95	45	1,286
Nebr.	533	4,660	177	3.8	2,484	94	127	2,900	101	272	121	494	6	1,524	365	95	1,990
Kans.	666	4,310	172	4.0	2,870	115	110	5,100	101	326	102	529	8	1,533	880	120	2,341
N. C. W.	5,928	4,808	184	3.83	28,504	1,091	761	31,900	876	2,542	711	4,129	50	14,155	9,524	646	24,375
Del.	37	4,750	190	4.0	176	7	4	180	3	12	2	17	2	142	15	159	
Md.	217	5,140	206	4.0	1,115	45	28	1,300	21	75	15	111	13	882	95	1,004	
Va.	437	4,190	178	4.25	1,831	78	350	17,500	59	344	282	685	68	214	752	112	1,146
N. Va.	219	3,820	164	4.3	837	36	152	7,800	28	232	125	385	27	100	225	100	452
N. C.	361	4,130	186	4.5	1,491	67	483	25,300	25	450	401	876	82	33	380	120	615
S. C.	164	3,660	165	4.5	600	27	206	10,800	9	190	172	371	34	10	115	70	229
Ga.	364	3,270	147	4.5	1,190	54	439	23,000	15	299	351	665	88	30	307	100	525
Fla.	127	3,820	162	4.25	485	21	29	1,500	5	57	23	85	6	2	310	82	500
S. A.	1,926	4,011	173	4.34	7,725	335	1,691	87,380	165	1,659	1,371	3,193	320	403	3,113	694	4,537
Ky.	570	3,930	173	4.4	2,240	99	285	14,600	43	537	264	844	21	450	780	145	1,396
Tenn.	599	3,720	166	4.45	2,228	99	452	23,200	31	441	388	860	64	154	1,065	85	1,368
Ala.	398	3,430	154	4.5	1,365	61	585	31,300	18	354	506	878	79	25	310	73	1,487
Miss.	508	2,710	122	4.5	1,377	62	372	19,500	12	381	355	748	17	50	502	60	629
Ark.	452	3,010	132	4.4	1,361	60	332	17,000	16	397	305	718	27	206	325	85	643
La.	290	2,300	104	4.5	667	30	105	5,500	7	237	95	339	10	8	245	65	328
Okla.	710	3,380	145	4.3	2,400	103	196	9,800	62	479	180	721	16	863	655	145	1,679
Tex.	1,330	3,070	135	4.4	4,083	180	682	35,000	65	1,038	549	1,652	133	1,448	1,550	300	2,431
S. C.	4,857	3,237	142	4.41	15,721	694	3,009	195,900	254	3,864	2,642	6,760	367	2,204	5,432	958	8,961
Mont.	137	4,840	191	3.95	663	26	49	2,300	24	82	43	149	6	318	130	60	514
Idaho	215	5,870	229	3.9	1,262	49	27	1,300	41	102	25	168	2	172	877	43	1,094
Wyo.	60	4,950	186	3.75	297	11	19	880	11	35	18	64	1	100	107	25	233
Colo.	209	4,760	181	3.8	995	38	47	2,100	39	118	43	200	4	341	385	65	795
N. Mex.	62	4,000	168	4.2	248	10	18	900	5	53	16	74	2	62	74	36	174
Ariz.	44	5,540	211	3.8	244	9	21	450	7	165	9	37	1	7	165	34	207
Utah	110	6,110	229	3.75	672	25	21	940	20	75	19	114	2	67	149	40	558
Nev.	17	5,700	211	3.7	97	4	4	180	3	8	3	14	1	26	141	15	83
Wash.	328	6,410	269	4.2	2,102	88	68	3,300	74	160	62	296	6	240	1,425	135	1,806
Ore.	236	5,660	255	4.5	1,335	60	38	2,000	46	135	35	216	3	206	831	80	1,120
Calif.	823	7,110	274	3.85	5,666	226	45	2,100	153	174	40	367	5	68	5,080	346	5,492
U. S.	2,243	6,144	243	3.96	13,782	546	346	16,450	423	963	333	1,699	33	1,607	9,564	879	12,083
	24,475	4,891	194	3.98	119,713	4,760	6,530	333,780	3,255	11,318	5,540	21,113	1,090	21,380	70,591	5,539	98,600

1/ Revised. 2/ Average number on farms during year. Heifers that have not freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms. 4/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.



Table 6 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1946 1/2

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream restocked by farmers			Combined sales of butter, cream and milk			Value of milk products consumed in household on farms where produced 3/4	Gross farm income from dairy products 4/							
	Quantity sold	Price per lb.	Value of sales	Quantity sold	Price per lb. butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns 2/	Value of sales (Receipts from farm market-ings)									
															1000 lb.			1000 dol.	1000 lb.	1000 dol.	Mil. lb.	1000 dol.	Per 100 lb. milk	Per lb. butterfat
Maine	2,600	66	1,716	840	68	571	330	4.46	14,718	42	16.0	6,720	493	4.81	23,725	5,580	29,305							
N. H.	340	68	231	160	70	112	238	4.68	11,138	20	16.1	3,280	292	5.03	14,701	16,411	16,411							
Vt.	400	65	260	610	66	403	1,293	4.57	59,090	19	15.8	3,002	1,356	4.63	62,755	3,010	65,765							
Mass.	160	68	109	160	69	110	566	4.96	28,074	61	17.3	10,553	705	5.51	38,846	2,865	41,711							
R. I.	6	67	4				100	4.93	4,930	9	17.3	1,557	120	5.41	6,491	325	6,816							
Conn.	60	68	41	40	69	28	901	4.93	24,699	52	17.2	8,944	615	5.48	33,712	2,356	36,068							
N. Y.	2,800	66	1,848	1,900	63	1,197	6,660	4.29	285,714	178	15.6	27,768	7,156	4.42	316,527	18,608	335,135							
N. J.	90	67	60				860	4.82	41,452	59	17.6	10,384	988	5.25	51,896	2,258	54,154							
Pa.	4,600	66	3,036	3,440	64	2,202	4,030	4.34	174,902	230	16.5	37,950	4,713	4.63	218,090	22,409	240,499							
N. C.	11,056	66.1	7,305	7,190	64.7	4,623	14,578	4.42	644,711	670	16.4	110,098	16,438	4.66	766,743	59,121	825,864							
Ohio	1,200	66	792	17,910	64	11,462	3,860	4.12	159,032	102	15.6	15,912	4,544	4.12	187,198	22,001	209,199							
Ind.	700	65	455	18,890	64	12,090	2,660	4.07	108,262	47	14.7	6,909	3,226	3.96	127,116	15,404	143,120							
Ill.	1,700	64	1,148	31,570	62	19,573	3,740	3.73	139,502	121	13.7	16,577	4,848	3.63	176,100	21,925	198,025							
Mich.	1,300	67	871	32,570	68	22,148	3,950	3.90	154,050	93	14.4	13,392	5,024	3.79	190,461	18,344	208,805							
Wis.	220	65	143	9,420	70	6,534	14,170	3.44	487,448	65	13.8	8,970	14,371	3.45	503,155	17,871	521,026							
N. C.	4,120	65.8	2,709	110,560	65.1	71,857	28,380	3.69	1,048,594	428	14.4	61,760	32,213	3.68	1,184,630	95,545	1,280,175							
Minn.	130	64	83	114,950	68	77,554	4,610	3.44	158,584	47	13.0	6,110	7,953	3.05	242,331	15,799	258,130							
Iowa	250	65	162	166,330	67	111,575	1,190	3.34	39,746	51	12.9	6,579	5,856	2.70	158,062	17,010	175,072							
Mo.	950	62	589	35,120	62	22,146	2,310	3.89	89,859	65	13.2	8,645	3,334	3.64	121,239	26,681	147,920							
N. Dak.	200	64	128	54,150	64	35,040	74	3.26	24,412	17	12.6	2,142	1,615	2.46	39,722	7,331	47,053							
S. Dak.	120	64	77	41,610	63	26,214	95	3.23	3,068	21	12.8	2,688	1,286	2.49	32,047	6,606	38,347							
Neb.	250	64	160	55,530	61	33,934	365	3.58	13,067	44	13.1	5,764	1,990	2.66	52,925	10,454	63,379							
Kans.	350	64	224	50,550	61	30,876	880	3.63	31,944	56	13.7	7,672	2,341	3.02	70,736	12,926	83,662							
N. C.	2,250	63.2	1,423	518,940	65.0	337,352	9,524	3.56	338,680	301	13.2	39,600	24,375	2.93	717,062	96,501	813,563							
Del.	80	64	51				142	4.36	6,191	7	16.0	1,120	159	4.43	7,362	648	8,010							
Md.	600	60	360	530	61	323	882	4.71	41,542	44	15.5	6,820	1,004	4.88	49,045	4,392	53,437							
W. Va.	3,400	55	1,870	5,050	59	2,984	752	4.59	34,517	52	15.2	7,904	1,146	4.31	49,341	26,981	76,322							
N. C.	4,300	50	2,150	1,170	53	726	380	4.58	17,404	56	16.8	9,408	615	4.49	20,273	16,029	36,302							
S. C.	1,800	54	972	1,420	53	723	115	4.82	5,543	33	17.0	5,610	229	4.83	29,688	41,103	70,791							
Ge.	4,600	52	2,392	1,250	52	650	307	4.75	14,582	47	16.8	7,896	525	4.66	25,520	31,860	31,860							
Fla.	700	63	443	80	60	48	310	5.53	17,143	38	19.1	7,258	400	6.16	24,638	31,590	57,110							
S. A.	16,480	53.5	8,810	16,310	59.1	9,644	3,113	4.71	146,507	324	16.4	53,254	4,530	4.82	218,215	44,928	29,566							
Ky.	1,100	58	638	18,780	62	11,531	780	3.90	30,420	67	14.0	9,380	1,296	3.73	52,069	29,877	363,398							
Tenn.	3,300	49	1,617	6,440	59	3,800	1,065	4.29	45,688	40	14.1	5,640	1,368	4.15	56,745	34,404	81,946							
Ala.	4,200	49	2,058	1,440	55	772	310	4.46	13,826	34	16.1	5,474	487	4.50	21,930	38,700	60,630							
Miss.	900	55	495	2,160	55	1,210	502	4.40	21,084	28	15.0	4,200	629	4.29	26,989	31,574	58,563							
Ark.	1,400	57	798	8,450	57	4,986	325	3.92	12,740	40	14.0	5,600	643	3.75	24,124	26,325	50,449							
La.	500	59	295	3,440	54	184	245	4.93	12,078	30	15.1	4,530	328	5.21	17,087	17,297	34,384							
Okla.	800	62	496	35,640	60	21,384	655	3.80	24,890	67	14.0	9,380	1,679	3.34	56,150	22,011	78,161							
Tex.	4,080	60	2,448	18,590	58	10,782	1,550	4.39	68,045	140	15.4	21,560	2,431	4.30	104,467	68,241	172,708							
S. C.	19,000	55.1	10,477	91,420	59.7	54,789	5,432	4.21	228,771	446	14.7	65,764	8,961	4.01	359,561	268,429	627,990							
Mont.	250	63	174	12,180	63	7,573	130	3.20	42,160	28	13.8	3,864	514	3.09	15,861	3,862	19,723							
Idaho	100	65	65	6,620	66	4,369	877	3.48	30,520	20	13.8	2,760	1,094	3.45	37,714	4,362	42,096							
Wyo.	60	64	38	3,720	63	2,344	107	3.39	3,627	12	14.0	1,680	233	3.30	7,689	1,749	9,438							
Colo.	190	65	124	12,410	63	7,818	385	3.67	14,130	30	13.9	4,170	795	3.30	26,242	5,313	31,555							
N. Mex.	90	63	57	2,500	61	1,525	74	4.76	3,522	17	15.8	2,686	174	4.48	7,790	3,091	10,881							
Ariz.	60	61	37	2,600	60	1,556	165	4.00	6,600	16	16.0	2,560	207	4.52	9,353	1,356	10,709							
Utah	100	65	65	2,500	64	1,600	449	3.47	15,580	19	13.0	2,470	558	3.53	19,715	3,318	23,033							
Nev.	30	65	198	9,910	68	6,553	441	3.62	1,484	7	14.4	1,008	83	3.81	103	419	3,584							
Wash.	300	66	198	8,910	66	6,541	1,425	3.94	56,145	63	14.9	9,387	1,806	4.00	95	8,880	81,151							
Ore.	150	67	100	8,920	69	6,155	831	4.42	36,730	37	15.3	5,661	1,120	4.34	46,646	7,378	56,024							
Calif.	250	64	160	2,620	66	1,723	5,080	4.20	213,160	161	16.0	25,760	5,499	4.38	241,009	9,373	250,382							
WEST	1,540	64.7	1,028	68,560	64.8	40,563	9,564	4.03	385,858	410	15.1	62,006	12,083	4.05	489,455	49,121	538,576							
U. S.	54,496	58.3	31,752	806,780	64.3	518,605	70,591	3.96	2,792,627	2,579	15.2	392,482	98,600	3.79	3,735,666	713,900	4,449,566							

1/ Revised. 2/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

4/ Value of combined sales, plus value of products consumed in the farm household.



Table 7 - Production and disposition of milk on farms, by States, 1947 1/

State and Division	Production of milk and milk products					Disposition of milk produced										
	Number of milk cows on farms 2/	Production per milk cow 3/		Percent of butterfat in milk	Total production on farms 3/	Milk fed or consumed on farms where produced						Milk sold or utilized for preparation of dairy products sold for retail sales of milk and cream by farmers 4/				
		Milk	Butterfat			Milk	Butterfat	Milk used	Butter made	Fed to calves	Consumed in the farm household		Total used on farms	For farm-churned butter sold	For deliveries to retail dealers	Total utilized for products
											As milk	As cream				
Thous.	Pounds	Percent	Mill. lb.	Mill. lb.	Mill. lb.	Thous. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.
Maine	121	5,270	221	4.2	638	27	84	4,200	11	76	36	123	48	21	360	86
N. H.	64	5,330	208	3.9	341	11	11	570	6	28	5	39	6	5	247	44
Vt.	277	5,420	222	4.1	1,501	62	15	750	30	62	7	99	8	14	1,340	40
Mass.	128	6,050	242	4.0	774	31	9	430	12	49	5	66	4	4	570	130
R. I.	20	6,500	254	3.9	130	5	1	30	2	6	1	9	-	-	102	19
Conn.	117	5,900	224	3.8	690	26	6	300	15	40	4	59	2	1	518	110
N. Y.	1,327	6,190	235	3.8	8,214	312	110	5,000	230	363	55	648	55	73	7,060	378
N. J.	157	6,880	268	3.9	1,080	42	8	350	17	38	6	61	2	-	910	107
Pa.	957	5,730	223	3.9	5,484	214	140	6,500	126	358	69	553	71	100	4,300	460
N. A.	3,168	5,951	231.1	3.88	18,852	732	384	18,130	449	1,020	188	1,657	196	218	15,407	1,374
Ohio	1,042	5,110	210	4.1	5,325	218	90	4,500	149	453	68	670	22	483	3,960	190
Ind.	757	4,840	206	4.25	3,664	156	51	2,600	88	337	41	466	10	450	2,538	100
Ill.	1,049	5,190	200	3.85	5,444	210	97	4,500	131	493	83	707	14	750	3,753	220
Mich.	989	5,760	228	3.95	5,697	225	86	4,000	199	411	62	672	24	871	3,950	180
Wis.	2,417	6,370	236	3.7	15,396	570	318	16,200	493	473	10	978	4	284	14,000	130
N. D.	6,254	5,681	220.5	3.88	35,526	1,379	338	16,200	1,060	2,169	264	3,493	74	2,838	28,301	820
Minn.	1,530	5,500	198	3.6	8,415	303	35	1,500	236	486	33	755	2	3,403	4,150	105
Iowa	1,242	5,250	200	3.8	6,520	248	84	3,700	202	542	79	823	5	4,422	1,170	100
Mo.	941	4,360	187	4.3	4,103	176	190	9,500	103	530	175	808	15	800	2,340	140
N. Dak.	432	4,540	170	3.75	1,961	74	122	5,400	73	181	117	371	5	1,473	78	34
S. Dak.	375	3,970	151	3.8	1,489	57	56	2,500	57	168	54	279	2	1,068	100	40
Nebr.	506	4,750	180	3.8	2,404	91	122	5,400	91	272	117	480	5	1,459	370	90
Kans.	635	4,470	179	4.0	2,838	114	108	5,000	105	323	100	528	8	1,252	930	120
E. C. W.	5,661	4,898	187.8	3.83	27,730	1,063	717	33,000	867	2,502	675	4,044	42	13,877	9,138	629
Del.	36	4,900	198	4.0	1,178	47	3	130	3	13	2	18	1	-	144	15
Md.	219	5,350	214	4.0	1,172	47	22	1,000	22	79	13	114	9	13	940	96
Va.	442	4,300	183	4.25	1,901	81	324	16,200	57	358	266	681	58	212	835	115
N. Va.	217	3,900	168	4.3	846	36	152	7,800	26	236	127	389	25	107	230	95
N. C.	359	4,260	192	4.5	1,529	69	458	24,000	28	491	382	901	76	24	413	115
S. C.	162	3,660	165	4.5	593	27	295	10,200	9	193	164	366	31	10	120	66
Ga.	360	3,300	150	4.5	1,202	54	439	23,000	17	307	357	681	82	30	315	94
Fla.	131	3,100	162	4.25	1,498	21	29	1,500	5	59	24	88	5	1	326	78
S. A.	1,926	4,112	177.6	4.32	7,919	342	1,622	83,830	167	1,736	1,335	3,238	287	397	3,323	674
Ky.	567	3,960	174	4.4	2,245	99	281	14,400	43	548	260	851	21	380	850	143
Tenn.	593	3,820	170	4.45	2,265	101	448	23,000	39	455	390	884	58	140	1,100	83
Ala.	391	3,430	154	4.5	1,341	60	561	30,000	17	382	490	869	71	20	290	71
Miss.	480	2,840	128	4.5	1,363	61	353	18,500	15	381	336	732	17	49	505	60
Ark.	420	3,110	137	4.4	1,306	57	306	15,700	18	417	283	718	23	210	275	60
La.	278	2,390	108	4.5	664	30	99	5,200	7	218	90	315	9	8	267	65
Okla.	660	3,550	153	4.3	2,343	101	188	9,400	56	479	174	709	14	790	685	145
Tex.	1,270	3,110	137	4.4	3,950	174	644	33,000	59	1,061	521	1,641	123	166	1,430	290
N. C.	4,659	3,322	146.6	4.41	15,477	663	2,880	149,200	254	3,194	2,544	6,739	336	2,063	5,402	937
Mont.	130	4,880	193	3.95	634	25	41	1,900	24	75	36	135	5	300	135	59
Idaho	208	6,110	238	3.9	1,271	50	24	1,150	43	96	22	161	2	163	900	45
Wyo.	58	5,120	192	3.75	237	11	18	800	10	32	17	59	1	110	103	24
Colo.	200	5,000	190	3.8	1,000	38	47	2,100	39	115	43	197	4	345	389	65
N. Mex.	58	4,100	172	4.2	238	10	16	800	5	47	14	66	2	60	75	35
Ariz.	44	5,900	224	3.8	260	10	11	500	7	19	10	108	1	10	177	36
Utah	106	6,200	232	3.75	657	25	17	750	20	73	15	108	2	70	438	39
Nebr.	17	5,870	217	3.7	100	4	4	180	4	7	3	14	1	25	44	16
Wash.	319	6,450	271	4.2	2,058	86	66	3,200	74	157	60	291	6	250	1,376	135
Oreg.	229	5,900	266	4.5	1,351	61	38	2,000	49	152	36	217	2	207	848	77
Calif.	834	7,190	280	3.9	5,996	234	45	2,100	156	174	40	370	5	68	5,213	340
WEST	2,203	6,292	251.5	4.00	13,862	554	327	15,480	431	927	296	1,654	31	1,608	9,698	871
U. S.	23,871	5,000	199.1	3.98	119,366	4,753	6,268	315,840	3,228	12,295	5,302	20,825	966	21,001	71,269	5,305

1/ Preliminary. 2/ Average number on farms during year, heifers that have not freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms. 4/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.



Table 8 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by State, 1947 1/

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			Value of milk products consumed in household on farms where produced 3/	Gross farm income from dairy products 4/								
	Quantity sold	Price per lb.	Value of sales	Quantity sold	Price per lb. of butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns 2/	Value of sales (Receipts from farm marketings)										
															1000 lb.			Ct.	1000 dol.	Mil. qt.	Qt.	1000 dol.	Mil. lb.	Ct.	1000 dol.
Maine	2,400	70	1,680	890	74	659	360	4.67	16,812	40	18.1	7,240	515	5.12	122	26,391	32,125								
N. H.	3,000	74	2,220	200	77	154	247	5.26	12,992	20	19.3	3,860	302	4.16	146	17,228	19,109								
Vt.	430	72	310	610	75	458	1,340	4.87	65,258	19	18.7	3,553	1,402	4.96	121	69,579	73,001								
Mass.	180	73	131	160	76	122	570	5.44	31,008	60	19.6	11,760	708	6.08	152	43,021	46,304								
R. I.	8	73	6				102	5.66	5,773	9	19.6	1,784	121	6.24	164	7,743	7,979								
Conn.	70	73	51	40	76	30	518	5.65	29,267	51	19.7	10,047	631	6.24	164	39,395	42,141								
N. Y.	2,500	71	1,775	2,720	71	1,931	7,060	4.54	320,524	176	17.8	31,328	7,566	4.70	124	355,958	375,204								
N. J.	90	73	66	1,300	73	958	910	5.37	48,867	50	19.4	9,700	1,019	5.75	147	58,163	61,163								
Pa.	3,300	72	2,376	3,820	73	2,789	4,300	4.80	206,400	214	19.0	40,660	4,931	5.12	131	252,225	274,087								
N. A.	9,278	71.3	6,617	8,440	72.5	6,143	15,407	4.78	736,901	639	18.8	119,912	17,195	5.06	130.4	869,573	931,113								
Ohio	1,100	72	792	19,660	70	13,762	3,960	4.36	172,656	88	17.7	15,576	4,655	4.36	106	202,786	225,502								
Ind.	500	71	355	18,810	70	13,167	2,638	4.25	112,115	47	16.8	7,896	3,198	4.18	98	149,333	159,800								
Ill.	650	72	468	28,420	68	19,326	3,753	3.92	147,118	102	15.4	15,708	4,737	3.86	100	182,620	204,854								
Mich.	1,100	74	814	33,530	76	25,483	3,950	4.27	168,665	84	16.5	13,860	5,025	4.16	105	208,822	228,499								
Wis.	180	75	135	10,450	78	8,151	14,000	3.52	492,800	60	16.0	9,600	14,418	3.54	96	510,686	527,852								
N. O. H.	3,530	72.6	2,564	110,870	72.1	79,889	28,301	3.86	1,093,354	381	16.4	62,640	32,033	3.87	99.7	1,238,447	1,336,043								
Minn.	100	74	74	119,790	77	92,838	4,150	3.43	142,345	49	15.1	7,399	7,660	3.16	88	242,056	258,456								
Iowa	240	74	178	161,650	77	124,624	1,170	3.82	44,694	47	15.1	7,238	5,697	3.10	82	176,734	195,985								
Mo.	750	67	502	33,040	66	21,806	2,340	4.08	95,472	65	15.1	9,815	3,295	3.87	90	127,595	154,779								
N. Dak.	200	72	144	53,760	71	38,170	78	3.77	2,941	16	15.1	2,416	1,590	2.75	73	43,671	51,866								
S. Dak.	100	72	72	38,880	70	27,216	100	3.98	3,980	19	15.5	2,945	1,924	2.83	74	34,213	40,496								
Nebr.	200	72	144	53,250	68	36,210	370	3.93	14,541	42	15.7	6,594	1,924	2.99	79	57,489	69,120								
Ne. H.	150	71	105	47,580	66	31,403	913	3.91	36,363	56	16.0	9,960	2,310	3.33	83	76,974	91,060								
N. O. M.	1,040	70.2	1,362	508,150	71.1	371,667	9,138	3.92	360,336	294	15.4	45,367	23,686	3.20	83.6	758,732	861,862								
Del.	60	68	41				144	4.83	6,955	7	18.6	1,302	160	5.19	130	8,298	9,076								
Md.	400	66	264	490	68	333	940	5.28	49,632	45	18.8	8,660	1,058	5.55	139	58,689	63,795								
Va.	2,300	58	1,332	8,480	63	5,342	835	5.10	42,585	53	17.0	9,010	1,220	4.80	113	58,619	85,571								
N. Va.	1,300	63	819	4,390	72	3,161	230	4.77	10,971	44	17.3	7,612	457	4.94	115	22,563	40,495								
N. O.	4,000	56	2,240	1,000	58	580	413	5.15	21,270	53	18.6	9,858	628	5.41	120	33,948	81,177								
S. O.	1,600	60	960	420	59	248	120	5.46	6,582	31	18.7	5,797	227	5.97	133	13,587	34,870								
Ga.	4,300	56	2,408	1,250	58	725	315	5.37	17,546	44	18.7	8,228	521	5.55	123	28,907	65,759								
Fla.	270	67	181	40	62	25	326	6.62	21,584	36	21.0	7,560	410	7.16	168	29,347	35,290								
S. A.	14,830	58.0	8,595	16,070	64.8	10,414	3,323	5.33	177,092	313	18.5	57,827	4,681	5.42	125.5	253,928	419,033								
Ky.	1,100	62	682	15,850	66	10,461	850	4.12	35,020	67	16.5	11,055	1,394	4.10	93	57,218	90,348								
Tenn.	3,000	53	1,590	5,850	66	3,861	1,100	4.64	51,040	39	15.8	6,162	1,381	4.54	102	62,653	101,016								
Ala.	3,800	52	1,976	840	62	521	290	5.37	15,573	33	17.7	5,841	452	5.29	118	23,911	46,129								
Miss.	900	61	549	2,110	67	1,414	505	4.63	23,382	28	17.7	4,956	631	4.80	107	30,301	34,416								
Ark.	1,200	63	756	6,610	64	5,510	275	4.50	12,375	37	15.9	5,883	588	4.17	95	24,524	29,190								
La.	450	64	288	340	62	211	265	5.71	15,246	30	17.8	5,340	349	6.04	134	21,085	33,714								
Okl.	700	69	483	32,630	64	20,883	685	4.23	28,976	67	16.7	11,189	1,634	3.77	88	61,531	86,149								
Tex.	6,300	66	4,158	19,340	64	12,378	1,430	5.44	77,792	135	18.3	24,705	2,309	5.16	117	119,033	200,664								
S. C.	17,490	60.1	10,482	85,570	64.6	55,239	5,402	4.80	259,404	436	17.2	75,131	8,738	4.58	103.9	400,256	706,334								
Mont.	220	75	161	11,490	71	8,158	135	3.87	5,224	27	16.4	4,428	499	3.60	91	17,971	21,967								
Idaho	90	75	68	6,280	73	4,584	900	3.59	32,310	21	15.8	3,318	1,110	3.63	93	40,280	44,563								
Wyo.	60	74	44	4,090	71	2,904	103	3.85	3,966	11	16.2	1,782	238	3.65	97	8,696	10,484								
Colo.	190	72	137	12,560	70	8,792	389	4.44	17,272	30	16.4	4,920	803	3.86	102	31,121	37,251								
N. Mex.	80	71	57	2,420	67	1,621	75	5.65	4,238	16	18.9	3,024	172	5.20	124	8,940	12,112								
Ariz.	60	72	43	390	72	274	177	4.93	8,726	17	18.1	3,077	224	5.41	142	12,120	13,689								
Utah	80	77	62	2,610	72	1,879	438	3.94	17,257	18	15.4	2,772	549	4.00	107	21,970	25,490								
Nev.	30	78	23	920	75	690	44	3.88	1,707	7	15.8	1,106	86	4.10	111	3,526	3,936								
Nash.	300	75	225	10,320	74	7,637	1,376	4.67	62,883	63	17.7	11,151	1,767	4.63	110	81,896	10,047								
Wash.	130	76	99	8,980	75	6,720	848	4.69	39,771	36	17.8	6,408	1,134	4.67	104	52,998	60,844								
Oreg.	250	75	188	2,620	75	1,965	5,213	4.39	22,851	158	17.6	27,804	5,286	5.26	118	258,812	268,656								
Calif.	1,490	74.1	1,107	62,650	72.2	45,224	9,698	4.35	422,205	404	17.3	69,799	12,208	4.41	110.2	538,330	590,935								
WEST	48,518	63.3	30,727	791,750	71.8	568,576	71,269	4.25	3,029,292	2,467	17.5	430,671	98,541	4.12	103.5	4,059,266	4,845,320								

1/ Preliminary. 2/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

4/ Value of combined sales, plus value of products consumed in the farm household.



Table 9 - Estimated percentage of fat in milk sold and used for other purposes by farmers, by States 1/

State and Division	Milk sold to plants and dealers 2/												Yearly Av.	Milk consumed or fed on farms		Milk skimmed on farms as cream		Milk retailed by farmers produced		All milk produced
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	
Me.	4.25	4.20	4.12	4.06	4.04	4.03	4.00	3.99	4.06	4.20	4.26	4.28	4.10	4.2	4.3	4.4	4.4	4.1	4.1	4.2
N. H.	3.95	3.91	3.86	3.82	3.82	3.82	3.83	3.85	3.93	4.00	4.01	3.99	3.89	4.0	4.3	4.3	4.3	3.9	3.9	3.9
Vt.	4.15	4.05	4.00	3.90	4.00	3.97	3.95	3.94	4.04	4.30	4.26	4.11	4.05	4.1	4.4	4.5	4.5	4.1	4.1	4.0
Mass.	4.05	4.00	3.93	3.90	3.97	3.99	3.91	3.94	4.04	4.08	4.11	4.11	4.00	4.0	4.3	4.3	4.3	4.0	4.0	4.0
R. I.	3.95	3.90	3.87	3.85	3.87	3.88	3.86	3.86	3.87	3.92	3.95	3.96	3.89	3.9	4.2	4.1	4.1	3.9	3.9	3.9
Conn.	3.82	3.78	3.73	3.70	3.73	3.70	3.67	3.69	3.77	3.86	3.88	3.91	3.76	3.9	4.0	4.0	4.0	3.8	3.8	3.8
N. Y.	3.86	3.78	3.72	3.66	3.70	3.69	3.69	3.67	3.87	3.98	3.96	3.91	3.78	3.9	3.9	3.9	3.9	3.8	3.8	3.8
N. J.	3.98	3.96	3.93	3.90	3.88	3.84	3.85	3.89	3.93	3.98	3.99	3.99	3.92	4.0	4.0	4.0	4.0	3.9	3.9	3.9
Pa.	3.98	3.93	3.87	3.81	3.81	3.80	3.79	3.81	3.92	4.05	4.05	4.05	3.89	4.0	4.0	4.0	4.0	3.9	3.9	3.9
N. Atl.	3.94	3.88	3.81	3.76	3.79	3.78	3.77	3.82	3.92	4.03	4.02	3.99	3.86	3.97	4.05	4.02	3.90	3.90	3.89	3.89
Ohio	4.25	4.15	4.05	3.97	3.96	3.92	3.90	3.95	4.07	4.25	4.29	4.31	4.03	4.2	4.3	4.3	4.1	4.1	4.1	4.1
Ind.	4.50	4.36	4.25	4.15	4.09	4.01	3.97	4.03	4.25	4.48	4.58	4.62	4.26	4.2	4.4	4.4	4.2	4.2	4.2	4.25
Ill.	3.93	3.88	3.86	3.78	3.75	3.66	3.67	3.71	3.84	3.94	3.99	4.02	3.82	3.9	4.0	4.0	3.8	3.8	3.85	3.85
Mich.	4.00	3.93	3.88	3.84	3.84	3.83	3.80	3.83	3.95	4.05	4.07	4.07	3.91	4.0	4.0	4.0	4.0	4.0	4.0	3.95
Wis.	3.72	3.65	3.60	3.57	3.61	3.62	3.64	3.71	3.84	3.92	3.91	3.81	3.69	3.75	3.8	3.8	3.7	3.7	3.7	3.7
N. Cent.	3.93	3.85	3.79	3.74	3.75	3.73	3.73	3.79	3.93	4.05	4.07	4.02	3.84	3.97	4.11	4.09	3.95	3.95	3.95	3.87
Minn.	3.56	3.52	3.48	3.47	3.49	3.50	3.56	3.64	3.77	3.79	3.71	3.61	3.57	3.7	3.7	3.65	3.6	3.6	3.6	3.6
Iowa	3.83	3.80	3.73	3.72	3.67	3.64	3.65	3.70	3.79	3.86	3.88	3.89	3.75	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Mo.	4.39	4.30	4.14	4.04	4.03	4.02	4.03	4.09	4.28	4.47	4.49	4.54	4.19	4.3	4.3	4.4	4.2	4.2	4.3	4.3
N. Dak.	3.62	3.61	3.60	3.58	3.55	3.50	3.53	3.57	3.65	3.66	3.68	3.63	3.59	3.7	3.8	3.8	3.7	3.7	3.75	3.75
S. Dak.	3.63	3.59	3.58	3.56	3.53	3.51	3.52	3.57	3.65	3.66	3.66	3.63	3.58	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Nebr.	3.84	3.79	3.77	3.71	3.69	3.68	3.65	3.67	3.80	3.88	3.90	3.93	3.76	3.8	3.8	3.85	3.8	3.8	3.8	3.8
Kans.	4.14	4.05	3.98	3.92	3.85	3.83	3.89	3.92	4.05	4.19	4.20	4.22	4.00	4.0	4.0	4.0	4.0	4.0	4.0	4.0
N. Cent.	3.85	3.79	3.72	3.70	3.70	3.69	3.74	3.81	3.96	4.19	4.29	4.31	3.81	3.89	3.95	3.83	3.88	3.88	3.83	3.83
Del.	4.17	4.08	4.00	3.93	3.90	3.87	3.88	3.91	3.98	4.10	4.17	4.19	4.02	4.0	4.1	4.0	4.0	4.0	4.0	4.0
Pa.	4.18	4.10	4.01	3.93	3.86	3.89	3.90	3.92	4.02	4.21	4.23	4.23	4.02	4.0	4.0	4.0	4.0	4.0	4.0	4.0
N. Va.	4.28	4.20	4.12	4.05	4.00	3.98	4.00	4.02	4.17	4.37	4.41	4.44	4.15	4.3	4.3	4.3	4.2	4.2	4.25	4.25
W. Va.	4.45	4.32	4.23	4.14	4.13	4.15	4.17	4.26	4.45	4.65	4.67	4.66	4.33	4.4	4.4	4.4	4.3	4.3	4.3	4.3
M. C.	4.75	4.61	4.50	4.39	4.33	4.25	4.30	4.33	4.52	4.77	4.84	4.86	4.50	4.5	4.5	4.5	4.5	4.5	4.5	4.5
S. C.	4.84	4.66	4.53	4.37	4.28	4.24	4.28	4.35	4.51	4.85	4.95	5.01	4.51	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Ga.	4.60	4.56	4.47	4.31	4.19	4.18	4.20	4.26	4.42	4.74	4.69	4.65	4.40	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Fla.	4.27	4.23	4.15	4.11	4.13	4.12	4.12	4.17	4.20	4.25	4.27	4.28	4.19	4.3	4.4	4.4	4.3	4.3	4.3	4.3
S. Atl.	4.36	4.27	4.18	4.10	4.05	4.04	4.07	4.10	4.24	4.42	4.45	4.46	4.21	4.4	4.4	4.35	4.31	4.31	4.31	4.31
Ky.	4.58	4.40	4.24	4.16	4.15	4.13	4.15	4.20	4.38	4.64	4.70	4.73	4.33	4.4	4.4	4.4	4.3	4.3	4.4	4.4
Tenn.	4.91	4.65	4.42	4.29	4.28	4.23	4.26	4.40	4.57	4.92	4.99	5.07	4.50	4.4	4.4	4.5	4.5	4.5	4.5	4.5
Ala.	4.81	4.62	4.45	4.35	4.25	4.21	4.23	4.33	4.43	4.73	4.93	5.07	4.46	4.5	4.6	4.5	4.5	4.5	4.5	4.5
Miss.	4.91	4.62	4.44	4.28	4.24	4.19	4.21	4.34	4.55	4.97	5.15	5.15	4.47	4.5	4.5	4.6	4.5	4.5	4.5	4.5
Ark.	4.65	4.45	4.25	4.13	4.10	4.08	4.07	4.12	4.30	4.60	4.75	4.80	4.28	4.4	4.4	4.4	4.3	4.3	4.4	4.4
La.	4.82	4.58	4.40	4.37	4.28	4.24	4.32	4.36	4.50	4.73	4.95	5.00	4.52	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Okla.	4.45	4.34	4.20	4.10	4.07	4.05	4.07	4.13	4.25	4.45	4.47	4.47	4.22	4.3	4.3	4.35	4.2	4.2	4.3	4.3
Tex.	4.65	4.47	4.32	4.23	4.20	4.17	4.19	4.22	4.45	4.70	4.77	4.81	4.39	4.4	4.4	4.4	4.4	4.4	4.4	4.4
S. Cent.	4.70	4.50	4.33	4.23	4.20	4.17	4.19	4.27	4.45	4.73	4.82	4.85	4.39	4.41	4.45	4.41	4.37	4.37	4.42	4.42
Mont.	4.07	3.95	3.86	3.81	3.77	3.80	3.83	3.85	3.95	4.05	4.10	4.10	3.91	4.0	4.0	4.0	3.9	3.9	3.95	3.95
Idaho	4.10	4.02	3.91	3.80	3.75	3.74	3.72	3.76	3.88	3.98	4.11	4.16	3.88	3.9	4.1	4.0	3.9	3.9	3.9	3.9
N. Mex.	3.69	3.65	3.60	3.57	3.55	3.54	3.53	3.55	3.59	3.65	3.68	3.70	3.60	3.8	3.9	3.9	3.7	3.7	3.75	3.75
Colo.	3.88	3.82	3.75	3.74	3.67	3.64	3.63	3.67	3.72	3.77	3.84	3.91	3.75	3.8	3.8	3.8	3.8	3.8	3.8	3.8
N. Mex.	4.43	4.33	4.22	4.05	4.00	4.02	4.05	4.13	4.34	4.61	4.46	4.42	4.21	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Ariz.	3.91	3.91	3.72	3.69	3.66	3.61	3.61	3.68	3.79	3.88	3.91	3.92	3.75	3.8	3.9	3.9	3.8	3.8	3.8	3.8
Utah	3.87	3.79	3.72	3.64	3.64	3.64	3.58	3.62	3.71	3.73	3.85	3.88	3.71	3.8	3.9	3.9	3.7	3.7	3.75	3.75
Nev.	3.74	3.70	3.67	3.62	3.59	3.57	3.55	3.59	3.64	3.70	3.73	3.77	3.65	3.8	3.8	3.8	3.7	3.7	3.7	3.7
Wash.	4.35	4.23	4.12	4.05	4.02	4.05	4.10	4.15	4.30	4.43	4.50	4.48	4.20	4.2	4.2	4.3	4.2	4.2	4.2	4.2
Oreg.	4.70	4.55	4.43	4.31	4.32	4.36	4.35	4.45	4.65	4.79	4.87	4.82	4.50	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Calif.	3.99	3.89	3.83	3.77	3.72	3.71	3.72	3.78	3.87	3.95	4.03	4.05	3.85	3.9	4.0	4.0	3.8	3.8	3.85	3.85
West	4.09	3.99	3.91	3.85	3.83	3.83	3.83	3.88	3.98	4.07	4.15	4.16	3.95	4.02	4.08	4.09	3.94	3.94	3.98	3.98
U. S.	4.01	3.93	3.86	3.81	3.81	3.79	3.81	3.87	4.00	4.12	4.14	4.09	3.91	4.12	4.12	4.12	4.04	4.04	4.04	4.04

1/ Based mainly on information available for 1944 and 1945. Estimates are considered as representative of the mid-1940's.

2/ Based primarily on dairy plant records of receipts of milk and of butterfat in milk.



Table 10- Percentage of fat in cream sold by farmers to plants  
and dealers, by States 1/

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Av.
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Me.	25.5	27.8	26.4	27.4	29.6	30.2	30.1	28.7	28.6	27.8	26.8	26.2	28.8
Vt.	30.2	31.2	31.4	31.7	31.8	33.2	31.6	31.2	31.1	31.0	30.8	30.1	31.6
N.Y.													2/32
Pa.	31.0	31.7	30.8	31.0	31.2	31.8	32.8	32.8	31.2	31.3	31.1	31.5	31.6
Ohio	33.6	33.6	33.9	34.6	35.2	35.3	35.3	35.2	35.2	34.6	34.2	34.0	34.8
Ind.	34.2	34.2	34.7	34.8	35.0	35.2	35.4	35.4	35.3	35.0	34.3	34.0	34.9
Ill.													2/32
Mich.	33.4	33.3	33.0	33.4	34.0	34.2	33.9	33.8	34.4	34.2	33.8	33.6	33.8
Wis.	29.0	29.0	29.8	30.4	30.8	31.0	31.4	31.8	32.4	31.5	31.0	30.2	30.7
Minn.	26.9	26.8	26.9	27.1	27.4	27.5	27.4	27.2	27.4	27.0	26.8	27.0	27.1
Iowa	30.4	30.5	30.4	30.6	30.8	30.8	30.8	30.9	31.1	30.8	30.5	30.4	30.7
Mo.	34.0	34.0	34.4	34.7	35.3	35.6	35.9	35.8	35.9	35.4	34.6	34.0	35.2
N.Dak.	32.4	32.6	32.6	32.4	32.8	33.2	33.4	33.2	33.3	32.8	32.6	32.4	32.9
S.Dak.													2/33
Nebr.	33.6	33.7	33.8	33.8	33.8	33.9	34.1	34.0	34.0	33.6	33.6	33.4	33.8
Kans.	34.7	34.6	34.6	34.7	35.0	35.2	34.8	34.8	34.9	34.6	34.4	34.4	34.7
Md.	33.1	33.6	34.4	35.0	35.8	36.5	36.6	36.8	36.5	36.0	34.4	32.7	35.5
Va.	33.4	33.9	34.3	34.7	35.3	35.3	35.9	35.8	35.4	35.1	34.5	33.4	35.0
W.Va.													2/35
N.C.													2/35
1 Ga.	33.5	34.4	35.4	34.6	33.8	34.2	35.4	36.0	35.6	35.3	36.2	34.0	34.8
Ky.	31.6	32.4	33.0	33.7	35.6	36.6	37.0	36.6	36.1	34.9	33.4	32.2	35.0
Tenn.	31.8	32.0	32.0	32.4	33.8	33.6	33.5	33.7	33.2	32.8	32.3	31.3	33.0
Ala.	35.9	35.4	35.8	37.2	36.4	36.7	36.7	37.0	36.6	36.2	35.8	35.0	36.4
Miss.													2/35
Ark.	32.6	33.4	33.5	34.3	34.6	34.6	34.2	34.0	34.0	33.8	33.0	32.0	34.0
Okla.													2/35
Tex.	35.2	35.8	35.8	36.2	36.6	36.8	36.8	36.6	36.8	36.6	36.0	35.4	36.3
Mont.													2/33
Idaho	34.4	34.6	34.9	34.6	35.1	35.0	35.0	35.1	34.8	35.3	34.4	34.4	34.8
Wyo.	35.2	35.1	35.0	35.0	35.1	35.4	35.4	35.5	35.6	35.2	35.0	35.1	35.2
Colo.	36.8	37.5	38.8	37.6	37.9	37.6	38.4	39.1	38.2	37.2	37.0	36.4	37.8
N.Mex.													2/33
Utah	31.8	31.2	30.8	30.8	31.1	32.3	31.3	31.9	31.9	31.7	32.0	31.2	31.5
Nev.													2/34
Wash.													2/35
Oreg.													2/32
Calif.													
U.S.	31.6	31.7	31.8	32.0	32.4	32.5	32.5	32.5	32.6	32.2	31.9	31.7	32.2

1/ Based on pounds of cream and pounds of butterfat in cream received by dairy manufacturing plants. Most of the plant data were for 1944 and 1945 and estimates are considered typical of the mid-1940's. No data shown for States in which less than 1/2 million pounds of butterfat was sold in 1947 as follows: N. H., Mass., R. I., Conn., N. J., Del., S. Car., Fla., La., and Ariz.

2/ Monthly data from plants not available. Annual test of cream estimated.

Table 11- Number of plants reporting various average fat tests  
of cream, selected States, June and December 1944

Fat test of cream	Indiana		Iowa		North Dakota		Texas		Colorado	
	June	Dec.	June	Dec.	June	Dec.	June	Dec.	June	Dec.
Percent	2	2	12	18	-	-	3	2	2	2
24 or less	0	0	11	16	-	-	1	2	2	0
25	1	-	22	19	-	1	-	1	1	1
26	-	1	36	44	1	-	2	1	2	2
27	-	-	44	50	1	1	2	2	-	1
28	1	-	57	59	-	1	-	2	-	1
29	1	1	75	69	8	10	4	4	-	3
30	1	5	50	48	6	9	1	5	-	3
31	4	3	41	40	16	21	4	6	5	3
32	12	6	43	29	32	25	11	5	3	7
33	10	15	12	19	16	17	6	15	17	11
34	17	8	23	21	12	6	9	11	11	10
35	5	10	13	9	2	3	10	8	5	9
36	3	5	4	4	-	-	18	10	4	4
37	5	4	4	2	-	-	14	13	8	7
38	1	6	-	1	-	-	12	5	-	2
39	8	3	2	1	-	-	15	21	4	2
40	7	9	2	1	-	-	14	9	2	-
41 or more	78	78	451	450	94	94	126	122	66	66
Total	78	78	451	450	94	94	126	122	66	66

Table 12 - Government dairy production payments to farmers  
on milk and butterfat sold, by States, 1943-46 1/

State	1943 2/	1944	1945	1946 3/	State	1943 2/	1944	1945	1946 3/
	1000 dol.	1000 dol.	1000 dol.	1000 dol.		1000 dol.	1000 dol.	1000 dol.	1000 dol.
Me.	314	2,267	2,505	1,295	Del.	113	804	944	513
N. H.	229	1,590	1,707	883	Md.	684	4,818	5,758	3,112
Vt.	922	7,317	8,015	4,408	Va.	567	4,158	5,432	2,685
Mass.	775	4,855	5,070	2,624	W. Va.	205	1,547	2,161	1,071
R. I.	139	830	891	462	N. C.	354	3,069	3,880	1,984
Conn.	650	4,087	4,326	2,247	S. C.	127	1,048	1,278	681
N. Y.	4,502	39,089	44,301	24,517	Ga.	241	2,171	2,822	1,553
N. J.	981	6,144	6,729	3,531	Fla.	288	2,453	2,962	1,643
Pa.	2,909	22,538	26,269	14,230	S. Atl.	2,579	20,068	25,237	13,242
N. Atl.	11,421	88,717	99,813	54,197	Ky.	518	4,792	6,389	3,285
Ohio	2,374	18,554	22,257	11,906	Tenn.	623	4,975	5,972	3,108
Ind.	1,688	13,370	16,533	8,968	Ala.	235	1,670	1,918	1,075
Ill.	2,373	18,555	23,375	13,591	Miss.	425	2,808	3,275	1,814
Mich.	2,032	17,624	22,644	12,893	Ark.	355	2,252	3,021	1,639
Wis.	6,646	55,188	65,877	40,643	La.	246	1,603	1,787	1,000
N. W. Cent.	15,113	123,291	150,686	88,001	Oklia.	875	5,951	8,595	5,325
Minn.	2,599	23,445	35,703	24,000	Tex.	1,408	9,223	10,943	6,317
Iowa	1,530	13,962	24,545	15,593	S. Cent.	4,685	33,274	41,900	23,563
Mo.	1,311	9,631	13,143	6,977	Mont.	160	1,353	2,005	1,213
N. Dak.	290	3,494	6,057	4,026	Idaho	662	4,677	5,362	3,022
S. Dak.	270	2,683	4,596	3,107	Wyo.	85	616	833	483
Nebr.	512	4,638	7,803	5,259	Colo.	356	2,894	3,629	2,182
Kans.	855	6,402	9,434	5,940	N. Mex.	84	625	794	451
W. N. Cent.	7,367	64,255	101,281	64,902	Ariz.	161	1,104	1,234	699
1/ Compiled by Field Service Branch, Production and Marketing Administration. Payments are those made on calendar year sales of milk and butterfat. 2/ October through December. 3/ January through June.					Utah	347	2,751	3,095	1,724
					Nev.	38	292	355	197
					Wash.	1,145	7,677	8,405	4,625
					Oreg.	689	4,799	5,762	3,327
					Calif.	4,772	29,061	32,670	18,657
					WEST	8,499	55,849	64,144	36,580
					U. S.	49,664	385,454	483,061	280,485

milk and ice cream. Records of butterfat tests of milk available from Federal and State market milk administrators, milk producers cooperatives and Dairy Herd Improvement Association records were also considered in preparation of the estimates. Monthly data for the years 1944 and 1945, together with available information for 1943 and 1946, were charted for each State and estimates of monthly tests that appeared to best represent the usual seasonal trend were adopted. To obtain yearly averages, estimates for the individual months were combined on the basis of the 1944-45 average monthly amounts of milk sold by farmers. As thus prepared the estimates are considered as typical of the mid-1940's but not necessarily of any one year. Year-to-year variation, however, is usually relatively small.

Estimates of fat test of milk used for various other purposes by farmers, as shown in table 9, take into consideration size, breed, and location of herds providing milk for uses other than sale as whole milk to dairy plants. In general, farms where milk is skimmed for sale of cream have fewer cows than those where whole milk is sold and the herds contain a larger percentage of cows of the Channel Island breeds. Likewise in choosing a family cow to supply milk for home use, farmers lean toward high testing breeds to a greater extent than they would in selecting a herd to supply condenseries, cheese factories or market milk plants. Since farm butter production is centered in small herds of the South where high testing milk predominates, the United States average test of milk for that purpose is higher than for any other use. The average test of all milk produced for individual States was obtained by combining the tests of milk used for various purposes by the volumes of milk for each use, and rounding the resulting figure to the nearest five hundredths of 1 percent.

Geographically, the percentage of fat in milk is lowest in the area between Lake Michigan and the Rocky Mountains and highest in the South. State average tests of milk produced ranged from as low as 3.6 percent in Minnesota and 3.7 percent in Wisconsin and Nevada to as high as 4.5 percent in the Carolinas, Georgia, Alabama, Mississippi, Louisiana and Oregon. Regional variations in test appear to be associated principally with breed. Official breed association records indicate the test of milk from purebred cattle of the different breeds to be about as follows: Holstein 3.5 percent, Ayrshire 4.0 percent, Brown Swiss 4.1 percent, Guernsey 5.0 percent, and Jersey 5.4 percent. For Shorthorns, the test of milk appears to average about 3.7 percent. While practically all breeds are found in all parts of the country, the high test of milk in the South reflects the predominance of cows of Jersey and mixed Jersey breeding, and the low test in the Western Great Lake region a predominance of Holsteins. The area variation in test of milk sold from farms is outlined graphically on the cover page chart. Tests were rather generally above 4.3 percent in the Ohio Valley, most of Kentucky and Tennessee, the western Carolinas, the northern parts of Georgia and Alabama, practically all of Mississippi, Arkansas, Louisiana, and Texas, and portions of Oklahoma, Missouri and Oregon. On the other hand milk sold to plants averaged below 3.7 percent in a small section of northern New York, in northern Illinois, southern Wisconsin, northern Iowa, in most of Minnesota, the Dakotas, Nebraska and Wyoming and in portions of Idaho, Utah and Nevada.

Seasonally, butterfat tests of milk sold by farmers to plants and dealers are lowest in the late spring and early summer months and highest in the late fall and early winter. In the middle 1940's the National monthly fat tests of milk sold varied from a low of 3.79 in June to a high of 4.14 percent in November. Normally the test of milk of an individual cow is low during the months of heaviest production in the early part of the lactation period, then gradually increases with the decline in production as the lactation period progresses. Thus the large number of cows freshening in the spring contributes to the low test in late spring and summer. In addition, high temperatures in the summer months may tend to cause lower butterfat tests. Seasonal variation in test of milk in different States ranged from as little as one tenth of 1 percent butterfat where requirements of fluid milk markets hold monthly production at a fairly uniform level throughout the year to almost one percent butterfat where tests are high and seasonal variation of milk sales great.





